

What is Claimed:

1 1. A mobile station for a mobile telecommunications system comprising a
2 handset
3 and a headset for connection to the handset,
4 the handset including RIF transceiver means for transmitting an outgoing call and
5 receiving an incoming call, processor means coupled to the RIF transceiver means
6 for providing audio signals on a first audio path to audio transducer means in the
7 handset and on a second audio path for audio transducer means in the headset,
8 characterised in that:

9 the headset and/or the handset includes a switch means arranged such that
10 operation thereof has the effect both of initiating and/or accepting a call, and of routing
11 audio signals to a selected one of the first and second audio paths.

1 2. A mobile station according to claim 1, wherein the audio transducer means
2 in the headset and handset each comprise a microphone and loudspeaker.

1 3. A mobile station according to claim 1, wherein the first mentioned switch
2 means is located in the handset and a second switch means having similar functions is
3 located in the headset.

1 4. A mobile station according to claim 1, including switch control means in
2 the processor means responsive to operation of the first mentioned switch means, for
3 operating respective further switch means in the first audio path and in the second audio
4 path for selection thereof.

1 5. A mobile station according to claim 1, wherein further operation of the
2 first switch means is operative to terminate a call.

1 6. A mobile station according to claim 3, wherein the first switch means is
2 located in the handset and a second switch means having similar functions is located in
3 the headset, and wherein operation of the first switch means followed by operation of the
4 second switch means, or vice versa, is effective to select the other of the selected one of
5 the first and second audio paths.

1 7. A mobile station according to claim 1, arranged such that further operation
2 of the first mentioned switch means is operative to terminate a call.

1 8. A mobile station for a mobile telecommunications system comprising a
2 handset and a headset for connection to the handset,
3 the handset including RIF transceiver means for transmitting an outgoing call and
4 receiving an incoming call, processor means coupled to the RIF transceiver means
5 for providing audio signals on a first audio path to audio transducer means in the handset
6 and on a second audio path for audio transducer means in the headset, characterised in
7 that:

8 the headset and/or the handset includes a first switch means operative upon
9 receipt of an incoming call to accept the call, and a second switch means, manually
10 operable for toggling the audio path to a selected one of the loudspeaker and headset.

1 9. A mobile station for a mobile telecommunications system comprising a
2 handset and a headset for connection to the handset,
3 the handset including RF transceiver means for transmitting an outgoing call and
4 receiving an incoming call, processor means coupled to the RF transceiver means for
5 providing audio signals on a first audio path to audio transducer means in the handset and
6 on a second audio path for audio transducer means in the headset, characterised by:

7 means (S, T) for detecting use of the headset or handset by the user and coupled
8 to audio path control means for automatically enabling the respective first or second
9 audio path to the set in use.

1 10. A mobile station according to claim 9, wherein the detecting means
2 comprises a capacitance sensing means located in the handset for detecting proximity of a
3 user's head.

1 11. A mobile station according to claim 9, wherein the detecting means
2 comprises infrared sensing means located in the handset for detecting proximity of a
3 user's head.

1 12. A mobile station according to claim 9, wherein the detecting means
2 comprises acoustic impedance sensing means located in the handset for detecting
3 proximity of a user's head.

1 13. A mobile station according to claim 9, wherein the detecting means
2 comprises sensing means located in the headband of the handset for detecting use on a
3 user's head.

1 14. A mobile station for a mobile telecommunications system comprising a
2 handset and a headset for connection to the handset,
3 the handset including RIF transceiver means for transmitting an outgoing call and
4 receiving an incoming call, processor means coupled to the RF transceiver means for
5 providing audio signals on a first audio path to audio transducer means in the handset and
6 on a second audio path for audio transducer means in the headset, characterised by:
7 means operative upon initiation of an outgoing call or acceptance of an incoming
8 call to the station to selectively route the audio path to one of the headset and handset.

1 15. A method of operating a mobile station for a mobile telecommunications
2 system , the mobile station comprising a handset and a headset for connection to the
3 handset, the handset including RIF transceiver means for transmitting an outgoing call
4 and receiving an incoming call, processor means coupled to the RF transceiver means for
5 providing audio signals on a first audio path to audio transducer means in the handset and
6 on a second audio path for audio transducer means in the headset, and switch means for
7 accepting or initiating a call, the method being characterised by monitoring the handset
8 for receipt of an incoming call and if detected, operating said switch means to accept the
9 call, and routing the audio to a selected one of the first and second audio paths, and if an
10 incoming call is not detected, but said switch means is operated, initiating a call, and
11 routing the audio to a selected one of the first and second audio paths.

1 16. A method according to claim 15, including further operating the switch
2 means in order to terminate the call.

1 17. A method according to claim 15, wherein the first mentioned switch
2 means is located in the handset and a second switch means having similar functions is
3 located in the headset, and depending on which of the first and second switch means is
4 operated, the audio is routed to the respective set.

1 18. A method according to claim 17, comprising operating one switch means
2 following operation of the other switch means, whereby to route the audio to the audio
3 path not currently in use.